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ABSTRACT

Designed to provide a criterion referenced measurement of CVC (consonant vowel consonant) word patterns, this test consists of six subtests of 152 items prepared as slides for projection. Items are to be presented to the subjects on two separate occasions. (This document is one of those reviewed in The Research Instruments Project (TRIP) monograph "Measures for Research and Evaluation in the English Language Arts, Volume 2," published by the Committee on Research of the National Council of Teachers of English in cooperation with the ERIC Clearinghouse on Reading and Communication Skills. The TRIP review, included here as an introduction to the instrument, describes the instrument's category (reading), title, author, date, age range (primary), purpose, and physical characteristics.) (JL)

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Walmsley CVC Patterns Test.

The measurement instruments contained in this document have been reviewed in a monograph (cited below) edited by William T. Fagan, Charles Cooper, and Julie Jensen, for The Research Instruments Project (TRIP), and funded by a grant from the Trustees of the NCTE Research Foundation:

Measures for Research and Evaluation
in the
English Language Arts
Volume II

The purpose of the editors has been to select and review measurement instruments pertaining to all aspects of research and evaluation in the English language arts, e.g. language and language development, literacy, literature, reading (including comprehension, teacher-pupil interaction, etc.), writing, and teacher knowledge and attitudes. In order to make some of the actual instruments reviewed more readily available, the ERIC Clearinghouse on Reading and Communication Skills (ERIC/RCS) has cooperated with the editors by processing selected instruments into the ERIC system (see the 42 documents assigned Clearinghouse accession numbers CS 207 904-945).

CS 207908

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Category: Reading

Title: Walmsley CVC Patterns Test

Author: Sean A. Walmsley

Age Range: Primary

Description of Instrument:

Purpose: To provide a criterion referenced measurement of CVC word patterns.

Date of Construction: 1975

Physical Description: In the construction of this test, an attempt was made to deal with two important perspectives of criterion referenced tests: reading (especially procedures for defining a universe), and statistics (procedures for item generation and item analysis).

There are six subtests of 152 items each which were prepared as slides for projection. Each slide was made from 35mm mounts, with the test item pressed onto an acetate base with transfer lettering. A 10 pt. typeface in lower case was used, which produced a 1½" x 3/4" image when projected onto a table viewer. Slides were mounted on a light orange acetate, and the table viewer was covered with a green acetate film, so that the contrast between the items (black) and the slide background would be decreased to acceptable and comfortable levels.

The items were presented to subjects on two separate occasions, usually separated by at least one day (76 slides per session). The subject would be introduced briefly to the tester, made at ease, and told that he/she would be asked to read some three letter words. Latency scores were also recorded.

Following is one item from the test approximately the size of the actual stimulus as seen by the subjects.

Validity, Reliability, and Normative Data:

In order to establish construct validity great care was taken to define a CVC pattern and the universe to which it belonged. The following Table indicates the criteria for the definition of a CVC.

INITIAL CONSONANT	MEDIAL VOWEL	FINAL CONSONANT
b, c[1], d, f, g[2], h, j, k, l, m, n, p, q[3], r, s, t, v, w[4], x[5], y, z.	a, e, i, o, u, y.	b, c[1], d, f, g[2], h[6], j, k, l, m, n, p, q, r[7], s[8], t, v, w[4], x, y[9], z.

[1] c has two pronunciations, /k/, /s/.

[2] g has two pronunciations, /g/, /ǰ/.

[3] qVC never occurs in the English language.

[4] w modifies the medial vowel (a, o) in the initial position; it has no sound as a final consonant-letter; when w is in the final position, the vowel is diphthongized. *

[5] x has the sound /ks/ but is usually pronounced /z/ when it occurs in the initial position of a syllable containing more than the letter x (i.e. xerox).

[6] h has no individual sound as a final consonant-letter; the combinations ah, eh, oh, uh are lengthened.

[7] r is sometimes (according to dialect) not pronounced as a consonant in the final position; here, the r may affect the vowel quality.

[8] s has two pronunciations, /s/, /z/.

[9] y does not usually (except in certain dialects) represent a consonant sound in the final position; when y is in the final position, the vowel is diphthongized.

* I include under diphthongs the following: /iy/; /ey/; /ay/; /aw/; /ow/; /uw/; /oy/.

Having generated all possible combinations of CVC patterns from these criteria, the combinations were then categorized according to: real words/nonsense syllables; frequency as a word; frequency as a polysyllable; association value; and pronunciation value. In addition they were categorized according to their pronunciation pattern (checked vowel, r-modified etc.).

In order to provide for an adequate sample size of items, a sample ratio of 1:10 was adopted yielding a total of 914 items which were then grouped into six subtests of 152 items. Thus items appear in the test in numbers within categories which faithfully represent their proportion of the whole universe.

Concurrent validity was also established by correlating item scores from categories with reading ability, phonics knowledge, knowledge of real words, nonsense syllables, and r-w-y-words. All correlation coefficients were statistically significant.

The interater reliability Coefficient for two testers scoring the items for each of ten subjects was .995.

A general statement of the findings indicates that by the middle of grade 2, the average second grader has a better than 60% understanding of the pronunciations of CVC's. By the middle of grade 3, this understanding has improved to better than 65% and by the middle of grade 4, has improved further to better than 70 per cent. At the same time, the speed with which a child recognizes and is able to pronounce a CVC has dropped from an average of over 3 seconds in grade 2, to an average of under 2.5 seconds in grade 3, and finally to an average of under 2 seconds in grade 4.

Related Documents:

Walmsley, Sean A. The criterion-referenced measurement of an early reading behavior. Unpublished doctoral dissertation, Harvard University, 1975.

APPENDIX [B]

Teacher questionnaire used in study to determine various characteristics of the obtained sample of examinees

WALMSLEY CVC PATTERNS TEST
TEACHER QUESTIONNAIRE

-CONFIDENTIAL

Student's Name_____

School_____

Student Information:

Test ID #_____ Grade_____

Sex_____ Date of birth_____

IQ Score (if any)_____ Test_____

1. For ANDOVER students only:

AIRS Level: decoding_____

SRA Level_____ In tutoring_____

In linguistic class_____

AIRS Level: Comprehension_____

2. For ARLINGTON students only:

Basal Series used_____

Book currently reading in basal series:

Title_____

Level_____

3. Which reading group is this student in, within grade?

[ ] Top [ ] Middle [ ] Low [ ] Other: specify_____

4. How would you rank this student's reading ability, compared with others in his/her grade?

[ ] High [ ] Middle [ ] Low [ ] Other: specify_____

5. Generally, how would you rate this student's knowledge of phonics (i.e. sound/symbol and symbol/sound relations appropriate to grade level)?

[ ] Very good [ ] Good [ ] Not very good [ ] Very poor

6. How would you expect this student to perform on a test which involved reading three-letter words (in isolation) that were:

(a) common words with "short" middle vowels:	[ ] Very well	[ ] Well	[ ] not well	[ ] very poorly
(b) nonsense syllables with "short" middle vowels:	[ ]	[ ]	[ ]	[ ]
(c) common words ending in r, w, y:	[ ]	[ ]	[ ]	[ ]

7. If you think that this student might perform "not well" or "very poorly" in any of the tasks in Question #6, are there special reasons you might give to account for the poor performance? (i.e. learning disabilities, reading difficulties, test "nerves", etc)

8. If any of the above questions are unclear to you, or if special circumstances exist with regard to your situation (i.e. you are not using basal reader, or this student is in a special program), please make comments here that might help assess the student's current reading status with more precision:

PLEASE RETURN THIS QUESTIONNAIRE TODAY IN THE ENCLOSED ENVELOPE (through your Principal)

APPENDIX [C]

Listing of test items, by tray

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 1-A

I.D. # ___ - -

Tester _____

1. dyl ____	37. qow ____	PRACTICE: 1. 2. 3.
2. sof ____	38. jah ____	
3. dik ____	39. zyq ____	
4. gaz ____	40. vyq ____	
5. hav ____	41. keh ____	73. bil ____
6. cys ____	42. wun ____	74. sah ____
7. pov ____	43. lay ____	75. vyq ____
8. nol ____	44. gos ____	76. zyc ____
9. gof ____	45. len ____	
10. cat ____	46. pup ____	
11. rag ____	47. myn ____	
12. laf ____	48. xoh ____	
13. dem ____	49. xab ____	
14. qem ____	50. dek ____	
15. tum ____	51. ruv ____	
16. yyy ____	52. bez ____	
17. nyb ____	53. qez ____	
18. tiq ____	54. kid ____	
19. six ____	55. muw ____	
20. sit ____	56. hid ____	
21. wir ____	57. pan ____	
22. gow ____	58. wah ____	
23. baq ____	59. soj ____	
24. gel ____	60. lob ____	
25. doq ____	61. jor ____	
26. pac ____	62. zoy ____	
27. lar ____	63. sep ____	
28. saw ____	64. fiy ____	
29. vow ____	65. nay ____	
30. lyz ____	66. zuq ____	
31. zob ____	67. yel ____	
32. hoc ____	68. pyv ____	
33. ceg ____	69. yov ____	
34. wog ____	70. diz ____	
35. rew ____	71. yuw ____	
36. gey	72. dug	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 1-B

I.D. # __ - __ _____

Tester _____

77. yah ____	113. hod ____	
78. veq ____	114. tag ____	
79. dyj ____	115. yoj ____	
80. gum	116. hyk ____	
81. jut ____	117. mol ____	149. nij ____
82. yay ____	118. gyj ____	150. noq ____
83. lol ____	119. tyg ____	151. zyl ____
84. lud ____	120. zax ____	152. jun ____
85. qyj ____	121. xav ____	
86. wyv ____	122. hox ____	
87. xeg ____	123. dit ____	
88. cad	124. mic	
89. kum ____	125. xik ____	
90. tup ____	126. zep ____	
91. dor ____	127. vif ____	
92. zib ____	128. kyx ____	
93. teh ____	129. mab ____	
94. pew ____	130. jok ____	
95. duh ____	131. kyc ____	
96. kah	132. vaj	
97. jay ____	133. paf ____	
98. caw ____	134. yos ____	
99. zew ____	135. pap ____	
100. nen ____	136. koj ____	
101. dur ____	137. yil ____	
102. tur ____	138. gij ____	
103. zah ____	139. hut ____	
104. sil ____	140. mid	
105. lah ____	141. pob ____	
1o6. wos ____	142. rej ____	
107. gat ____	143. zys ____	
108. ziv ____	144. hyz ____	
109. fyv ____	145. zen ____	
110. mob ____	146. sax ____	
111. lez ____	147. nor ____	
112. xex	148. xoy	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 2-A

I.D. # _____

Tester _____

1. bek _____	37. hiw _____	PRACTICE: 1. 2. 3.
2. poj _____	38. yah _____	
3. puf _____	39. lyq _____	
4. gyl _____	40. qal _____	
5. yut _____	41. xeq _____	73. hel _____
6. rin _____	42. baf _____	74. tah _____
7. bax _____	43. toy _____	75. qoz _____
8. zox _____	44. bod _____	76. wix _____
9. wej _____	45. wad _____	
10. bob _____	46. lip _____	
11. dem _____	47. pyc _____	
12. dyg _____	48. gyw	
13. din _____	49. wyj _____	
14. muq _____	50. dav _____	
15. hem _____	51. fax _____	
16. yaq _____	52. cem _____	
17. goj _____	53. quc _____	
18. noh _____	54. dot _____	
19. suz _____	55. fyh _____	
20. cap _____	56. pot	
21. tur _____	57. gal _____	
22. rew _____	58. wah _____	
23. sih _____	59. vov _____	
24. fob _____	60. tom _____	
25. deq _____	61. por _____	
26. syc _____	62. tey _____	
27. mor _____	63. pes _____	
28. pew	64. xiy _____	
29. tew _____	65. bey _____	
30. hiv _____	66. poh _____	
31. xel _____	67. rox _____	
32. nel _____	68. dez _____	
33. dyt _____	69. xuc _____	
34. rob _____	70. hof _____	
35. cew _____	71. qol _____	
36. guy	72. til	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 2-B

I.D. # _____

Tester _____

77. rah _____	113. von _____	
78. pyh _____	114. den _____	
79. muj _____	115. myj _____	
80. hub _____	116. lyt _____	
81. god _____	117. poc _____	149. nyg _____
82. zey _____	118. xet _____	150. xuw _____
83. hes _____	119. coq _____	151. yuz _____
84. zin _____	120. ces _____	152. hes _____
85. cuf _____	121. xuf _____	
86. fot _____	122. zax _____	
87. gex _____	123. com _____	
88. pod _____	124. wim _____	
89. lax _____	125. wuj _____	
90. gan _____	126. kaj _____	
91. war _____	127. cuf _____	
92. kub _____	128. sij _____	
93. riy _____	129. gon _____	
94. mow _____	130. muk _____	
95. noh _____	131. siz _____	
96. kah _____	132. duz _____	
97. dey _____	133. wep _____	
98. yaw _____	134. xax _____	
99. gew _____	135. got _____	
100. sys _____	136. gox _____	
101. par _____	137. jev _____	
102. kir _____	138. wac _____	
103. zah _____	139. jog _____	
104. tel _____	140. lyn _____	
105. bah _____	141. rin _____	
106. wep _____	142. jep _____	
107. did _____	143. gyg _____	
108. nuz _____	144. hof _____	
109. vip _____	145. nib _____	
110. rap _____	146. jen _____	
111. bop _____	147. lar _____	
112. yyz _____	148. koy	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 3-A

I.D. # _____

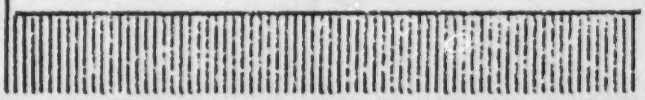
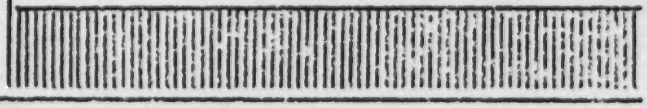
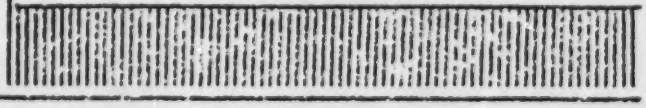
Tester _____

1. luz ____	37. zoq ____	PRACTICE: 1. 2. 3.
2. xib ____	38. jah ____	
3. kon ____	39. peq ____	
4. cof	40. xaq ____	
5. bak ____	41. kiy ____	73. lim ____
6. fec ____	42. nik ____	74. sah ____
7. byk ____	43. lay ____	75. qej ____
8. gyk ____	44. lap ____	76. yed ____
9. nuc ____	45. mid ____	
10. ran ____	46. pat ____	
11. nix ____	47. byt ____	
12. mef ____	48. kuh ____	
13. zag ____	49. jal ____	
14. yiw ____	50. hav ____	
15. wes ____	51. cun ____	
16. jeh ____	52. cyt ____	
17. yiv ____	53. qoc ____	
18. dyq ____	54. rod ____	
19. civ ____	55. qef ____	
20. jet ____	56. hob ____	
21. kyr ____	57. rid ____	
22. gow ____	58. wah ____	
23. peq ____	59. fyz ____	
24. gus ____	60. kol ____	
25. suw ____	61. fyr ____	
26. lyt ____	62. zoy ____	
27. ker ____	63. hos ____	
28. new ____	64. kuq ____	
29. bow ____	65. nay ____	
30. byc ____	66. wih ____	
31. zos ____	67. lok ____	
32. sim ____	68. yot ____	
33. vyv ____	69. zeg ____	
34. pap ____	70. lov ____	
35. rew ____	71. kuy ____	
36 gey	72. sot	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 3-B

I.D. # _____

Tester _____

77. yah _____	113. taj _____	
78. qom _____	114. gob _____	
79. xem _____	115. gyk _____	
80. vex _____	116. hab	
81. got _____	117. sil _____	149. nyj _____
82. yay _____	118. vyt _____	150. qeg _____
83. hig _____	119. tav _____	151. sas _____
84. sek _____	120. teg _____	152. tuf _____
85. juy _____	121. xyz _____	
86. hys _____	122. sox _____	
87. zij _____	123. pal _____	
88. ned _____	124. wyt _____	
89. lek _____	125. caj _____	
90. dos _____	126. zod _____	
91. for _____	127. goz _____	
92. maj _____	128. cuv _____	
93. myq _____	129. cal _____	
94. yaw _____	130. cun _____	
95. qyb _____	131. weg _____	
96. kah _____	132. mux	
97. jay _____	133. wek _____	
98. gaw _____	134. ruv _____	
99. zew _____	135. tab _____	
100. yuc _____	136. jyt _____	
101. far _____	137. kyg _____	
102. zar _____	138. gix _____	
103. zah _____	139. gym _____	
104. rem _____	140. nov _____	
105. lah _____	141. lov _____	
106. voz _____	142. syk _____	
107. nil _____	143. hyf _____	
108. tof _____	144. fet _____	
109. tuv _____	145. rab _____	
110. hun _____	146. tib _____	
111. ris _____	147. ler _____	
112. yym	148 xoy	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 4-A

I.D. # _____

Tester _____

1. piv _____	37. caq _____	PRACTICE: 1. 2. 3.
2. zoc _____	38. yuh _____	
3. leb _____	39. qub _____	
4. pej	40. qif _____	
5. kot _____	41. qaj _____	73. tas _____
6. jix _____	42. vot _____	74. dah _____
7. pex _____	43. joy _____	75. viq _____
8. zez _____	44. led _____	76. yax _____
9. yev _____	45. cox _____	
10. win _____	46. rex _____	
11. dop _____	47. pis _____	
12. lyc	48. byq	
13. gem _____	49. vag _____	
14. huy _____	50. buc _____	
15. non _____	51. nyl _____	
16. poh _____	52. biv _____	
17. caj _____	53. qyh _____	
18. hiq _____	54. nan _____	
19. gam _____	55. ruy _____	
20. hit	56. wan	
21. lyr _____	57. vic _____	
22. rew _____	58. wah _____	
23. qan _____	59. pyk _____	
24. wop _____	60. cog _____	
25. siw _____	61. yir _____	
26. ges _____	62. rey _____	
27. bor _____	63. wol _____	
28. tew	64. qef	
29. law _____	65. say _____	
30. wot _____	66. ryh _____	
31. pob _____	67. dov _____	
32. tos _____	68. fyk _____	
33. wyd _____	69. pyt _____	
34. hox _____	70. jaz _____	
35. cew _____	71. yiy _____	
36. hey	72. meg	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 4-B

I.D. # _____

Tester _____

77. bah _____	113. cit _____	
78. qip _____	114. sat _____	
79. kuz _____	115. yod _____	
80. keb _____	116. zim _____	
81. pax _____	117. sog _____	149. tij _____
82. goy _____	118. rij _____	150. juy _____
83. bov _____	119. vac _____	151. cez _____
84. fem _____	120. fap _____	152. tym _____
85. toq _____	121. vej _____	
86. wib _____	122. yul _____	
87. kig _____	123. max _____	
88. dux	124. fec	
89. viz _____	125. xot _____	
90. fip _____	126. gyz _____	
91. ser _____	127. yig _____	
92. gub _____	128. xyn _____	
93. xuw _____	129. gid _____	
94. hew _____	130. vik _____	
95. jyh _____	131. vos _____	
96. kah	132. wym _____	
97. fay _____	133. jiz _____	
98. cow _____	134. jid _____	
99. gew _____	135. tim _____	
100. cov _____	136. zov _____	
101. bar _____	137. xan _____	
102. kur _____	138. mym _____	
103. zah _____	139. hit _____	
104. nel	140. beg	
105. nah _____	141. lut _____	
106. fep _____	142. kuf _____	
107. mum _____	143. yex _____	
108. cek _____	144. zat _____	
109. tij _____	145. tib _____	
110. jab _____	146. nov _____	
111. bic _____	147. fur _____	
112 kuk	148. moy	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 5-A

I.D. # _____

Tester _____

1. cep ____	37. qiv ____	PRACTICE: 1. 2. 3.
2. caf ____	38. yah ____	
3. lyd ____	39. riy ____	
4. zug ____	40. qir ____	
5. cyl ____	41. zyw ____	73. dic ____
6. sed ____	42. cev ____	74. tah ____
7. fiv ____	43. toy ____	75. guw ____
8. tok ____	44. wan ____	76. taz ____
9. kyc ____	45. deb ____	
10. met ____	46. lad ____	
11. vac ____	47. fef ____	
12. kyl ____	48. qod ____	
13. tad ____	49. zaz ____	
14. qym ____	50. loc ____	
15. mod ____	51. tix ____	
16. qag ____	52. luf ____	
17. voj ____	53. qos ____	
18. qyn ____	54. fan ____	
19. gab ____	55. qel ____	
20. led ____	56. fat ____	
21. pyr ____	57. sup ____	
22. gow ____	58. wah ____	
23. loq ____	59. myl ____	
24. hum ____	60. yam ____	
25. qov ____	61. dir ____	
26. hyk ____	62. toy ____	
27. cur ____	63. puz ____	
28. vow ____	64. nuy ____	
29. raw ____	65. boy ____	
30. jyl ____	66. foh ____	
31. hyn ____	67. pix ____	
32. nob ____	68. poz ____	
33. ruk ____	69. poj ____	
34. nit ____	70. feb ____	
35. rew ____	71. qyk ____	
36. guy ____	72. yap ____	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 5-B

I.D. # _____

Tester _____

77. rah _____	113. guv _____	
78. jyy _____	114. jap _____	
79. yis _____	115. yaj _____	
80. fon	116. nyp	
81. tac _____	117. hus _____	149. wux _____
82. zey _____	118. vyx _____	150. qur _____
83. cip _____	119. kob _____	151. cij _____
84. puc _____	120. gid _____	152. kap _____
85. muy _____	121. xus _____	
86. lyf _____	122. wop _____	
87. buj _____	123. dix _____	
88. pit	124. hab	
89. cox _____	125. doj _____	
90. bub _____	126. luz _____	
91. gor _____	127. kuc _____	
92. syn _____	128. vym _____	
93. naq _____	129. bub _____	
94. daw _____	130. waf _____	
95. qip _____	131. duv _____	
96. kah	132. fiv	
97. dey _____	133. paj _____	
98. hew _____	134. gaj _____	
99. zew _____	135. ged _____	
100. diz _____	136. hyj _____	
101. cor _____	137. zyg _____	
102. var _____	138. xeg _____	
103. zah _____	139. tit _____	
104. sel _____	140. run	
105. bah _____	141. taz _____	
106. rym _____	142. sek _____	
107. dag _____	143. yiv _____	
108. lyk _____	144. piz _____	
109. cyj _____	145. fad _____	
110. sag _____	146. dag _____	
111. rym _____	147. ser _____	
112. ded	148. koy	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 6-A

I.D. # _____

Tester _____

1. byx _____	37. fih _____	PRACTICE: 1. 2. 3.
2. syv _____	38. yuh _____	
3. wim _____	39. wyq _____	
4. vyc _____	40. syq _____	
5. tuc _____	41. qec _____	73. cen _____
6. lym _____	42. kis _____	74. dah _____
7. pum _____	43. joy _____	75. qag _____
8. miv _____	44. dak _____	76. geg _____
9. gyz _____	45. sup _____	
10. yet _____	46. pod _____	
11. red _____	47. hok _____	
12. hym _____	48. diw _____	
13. zig _____	49. vyk _____	
14. cyq _____	50. rof _____	
15. doc _____	51. lyg _____	
16. vuh _____	52. rax _____	
17. xyg _____	53. quf _____	
18. suy _____	54. den _____	
19. saj _____	55. piy _____	
20. rid _____	56. dap _____	
21. wyr _____	57. win _____	
22. rew _____	58. wah _____	
23. qoy _____	59. ~~wah~~ yox _____	
24. sop _____	60. cum _____	
25. qim _____	61. kur _____	
26. rak _____	62. rey _____	
27. sur _____	63. bol _____	
28. dow _____	64. giq _____	
29. zow _____	65. say _____	
30. xyk _____	66. rih _____	
31. jeg _____	67. tiz _____	
32. lum _____	68. taf _____	
33. pog _____	69. mef _____	
34. ~~cow~~ wck _____	70. bok _____	
35. cew _____	71. heq _____	
36. hey _____	72. sid _____	

WALMSLEY CVC PATTERNS TEST
CAROUSEL # 6-B

I.D. # _____

Tester _____

77. bah _____	113. rham _____	
78. moq _____	114. nab _____	
79. vyp _____	115. pyd _____	
80. veg	116. lyc	
81. jot _____	117. wif _____	149. byp _____
82. goy _____	118. gef _____	150. cuq _____
83. nif _____	119. jon _____	151. jic _____
84. tas _____	120. tup _____	152. syd _____
85. rih _____	121. zej _____	
86. wug _____	122. yul _____	
87. boj _____	123. bel _____	
88. hub	124. pim	
89. jib _____	125. nev _____	
90. hic _____	126. tys _____	
91. per _____	127. xeb _____	
92. zym _____	128. syx _____	
93. qiz _____	129. ram _____	
94. now _____	130. ced _____	
95. liq _____	131. lyv _____	
96. kah	132. cyx	
97. fay _____	133. jop _____	
98. raw _____	134. doj _____	
99. gew _____	135. yon _____	
100. peb	136. kuv	
101. far _____	137. xim _____	
102. mur _____	138. xav _____	
103. zah _____	139. dab _____	
104. pos	140. jim	
105. nah _____	141. lux _____	
106. puj _____	142. ryf _____	
107. tec _____	143. jik _____	
108. vib _____	144. jat _____	
109. wub _____	145. bet _____	
110. bas _____	146. rad _____	
111. vot _____	147. bur _____	
112. gug	148. moy	